**Amendment to the Claims:**

Claims 1-11. (Canceled)

Claim 12. (Currently amended) ~~The method of claim 11, wherein the LGDH enzyme has at least about 70% similarity with SEQ ID NO:11; the AGD enzyme has at least about 70% similarity with SEQ ID NO:1 or SEQ ID NO:3; the ARA enzyme has at least about 70% similarity with SEQ ID NO:20; the ALO enzyme has at least about 70% similarity with SEQ ID NO:5 or SEQ ID NO:7; or the RGLO enzyme has at least about 70% similarity with SEQ ID NO:9~~ A method of generating ascorbic acid, comprising:

a) obtaining a recombinant yeast capable of converting an ascorbic acid precursor into ascorbic acid, wherein the yeast is functionally transformed with a coding region encoding L-galactose dehydrogenase (LGDH) enzyme having at least about 90% similarity with SEQ ID NO:11,

b) culturing the recombinant yeast in a medium comprising an ascorbic acid precursor, thereby forming ascorbic acid, and

c) isolating the ascorbic acid.

Claim 13. (Currently amended) ~~The method of claim 11, wherein the LGDH enzyme has at least about 70% identity with SEQ ID NO:11; the AGD enzyme has at least about 70% identity with SEQ ID NO:1 or SEQ ID NO:3; the ARA enzyme has at least about 70% identity with SEQ ID NO:20; the ALO enzyme has at least about 70% identity with SEQ ID NO:5 or SEQ ID NO:7; or the RGLO enzyme has at least about 70% identity with SEQ ID NO:9~~ A method of generating ascorbic acid, comprising:

a) obtaining a recombinant yeast capable of converting an ascorbic acid precursor into ascorbic acid, wherein the yeast is functionally transformed with a coding region encoding L-galactose dehydrogenase (LGDH) enzyme having at least about 90% identity with SEQ ID NO:11,

b) culturing the recombinant yeast in a medium comprising an ascorbic acid precursor, thereby forming ascorbic acid, and

c) isolating the ascorbic acid.

Claim 14. (Currently amended) ~~The method of claim 11, wherein the coding region encoding the LGDH enzyme has at least about 70% identity with SEQ ID NO:12; the coding region encoding the AGD enzyme has at least about 70% identity with SEQ ID NO:2 or SEQ ID NO:4; the coding region encoding the ARA enzyme has at least about 70% identity with SEQ ID NO:21; the coding region encoding the ALO enzyme has at least about 70% identity with SEQ ID NO:6 or SEQ ID NO:8; or the coding region encoding the RGLO enzyme has at least about 70% identity with SEQ ID NO:10~~ A method of generating ascorbic acid, comprising:

a) obtaining a recombinant yeast capable of converting an ascorbic acid precursor into ascorbic acid, wherein the yeast is functionally transformed with a coding region encoding L-galactose dehydrogenase (LGDH) enzyme and the coding region encoding the LGDH enzyme has at least about 90% identity with SEQ ID NO:12,

b) culturing the recombinant yeast in a medium comprising an ascorbic acid precursor, thereby forming ascorbic acid, and

c) isolating the ascorbic acid.

Claims 15-40. (Canceled)